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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---------------------------|-------------|----------------------|---------------------|------------------|
| 09/514,577 | 02/28/2000 | Fang Wu | 3871 | 9020 |
| 22434 | 7590 | 01/09/2006 | EXAMINER | |
| BEYER WEAVER & THOMAS LLP | | | JONES, PRENELL P | |
| P.O. BOX 70250 | | | ART UNIT | PAPER NUMBER |
| OAKLAND, CA 94612-0250 | | | 2667 | |

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental
Notice of Allowability**

Application No.

09/514,577

Examiner

Prenell P. Jones

Applicant(s)

WU ET AL.

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-- **The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/23/05.
2. ☒ The allowed claim(s) is/are 1-21 and 23-25.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Allowable Subject Matter

1. Claims 1-21 and 23-25 are allowed over prior art.
2. The following is a statement of reasons for indicating allowance: Applicant has canceled claim 22 via a 312 amendment.

Although the combined prior art of Kidder et al, Choi et al, Lakshman et al, Kaye et al, Quay et al, Koperda et al, Assuncao, Kindred et al, Brightwell et al, Chang et al and Youn et al discloses reducing bit rates in a communication system as associated with re-encoding, processing video/audio data and channels, sum of the bit-rates equal the maximum effective transmission bandwidth and multiple audio/visual channels and associated bit streams, a encoding multiple video programs wherein there exists a sum of the bit rates of multiple the video programs (channel signals), bit-streams at a high bit rate produces many cell losses, efficiency of channel is decreased, sum of bit rates of video programs has to be less than channel bandwidth, sum of bit rates has to be larger than the CBR (selective channel) channel bandwidth, if sum of bit rate is larger than CBR channel bandwidth (selective channel) information is loss, video signal encoding associated with multiple video channels, maximum/minimum bit rate associated with selected channel and varying bit rates, adjusting bit-rate, performing re-encoding for the purpose of fully decoding input bit streams and eventually encodes stream to a lower bit-rate, scheduling and processing data associated with an ATM system regardless of data type sum of bit rate of the total bandwidth (channel capacity), scheduling of bandwidth/channels, and channels scheduled according to time-stamps for ATM transmission they fail to teach/suggest determining whether there is another channel bit rate greater than its minimum and performing rate conversion if there is no channels having a bit rate greater than it minimum, determining whether the selected channel has a bit rate close to the

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minimum bit rate for the channel and increasing the bit rate for the channel if it is determined that the selected channel has a bit rate close to the minimum bit rate for the channel, at least one of the plurality of channels of bit streams is a data stream that is buffered and not recoded, and partial re-encoding wherein at least one of the plurality of channels of bit streams is a data stream that is not re-encoded.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prenell P. Jones whose telephone number is 571-272-3180. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Prenell P. Jones

January 4, 2006


CHI PHAM
SUPERVISORY PATENT EXAMINER
ELECTRONIC BUSINESS CENTER
1/6/06